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Fig. 1

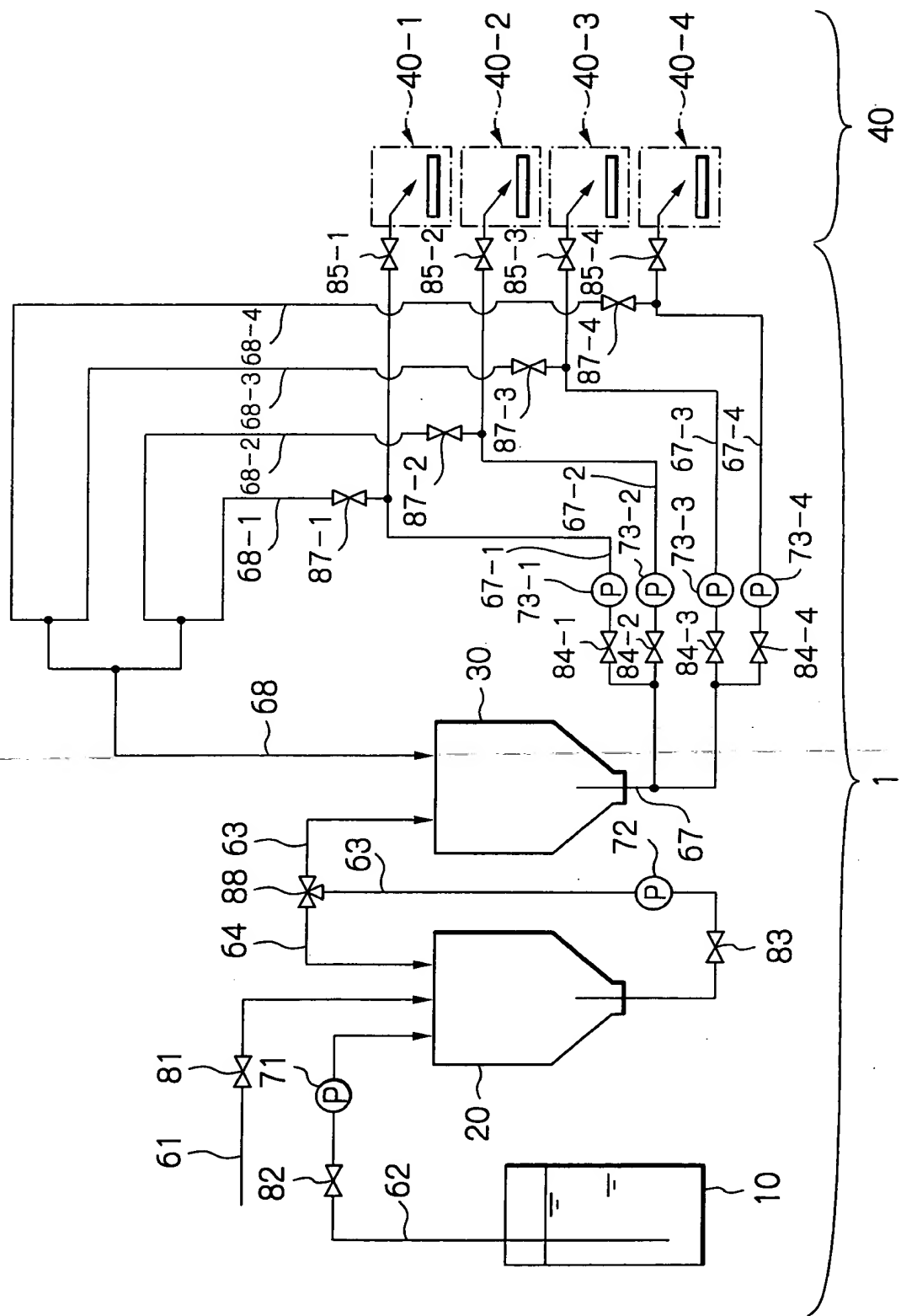


Fig. 2

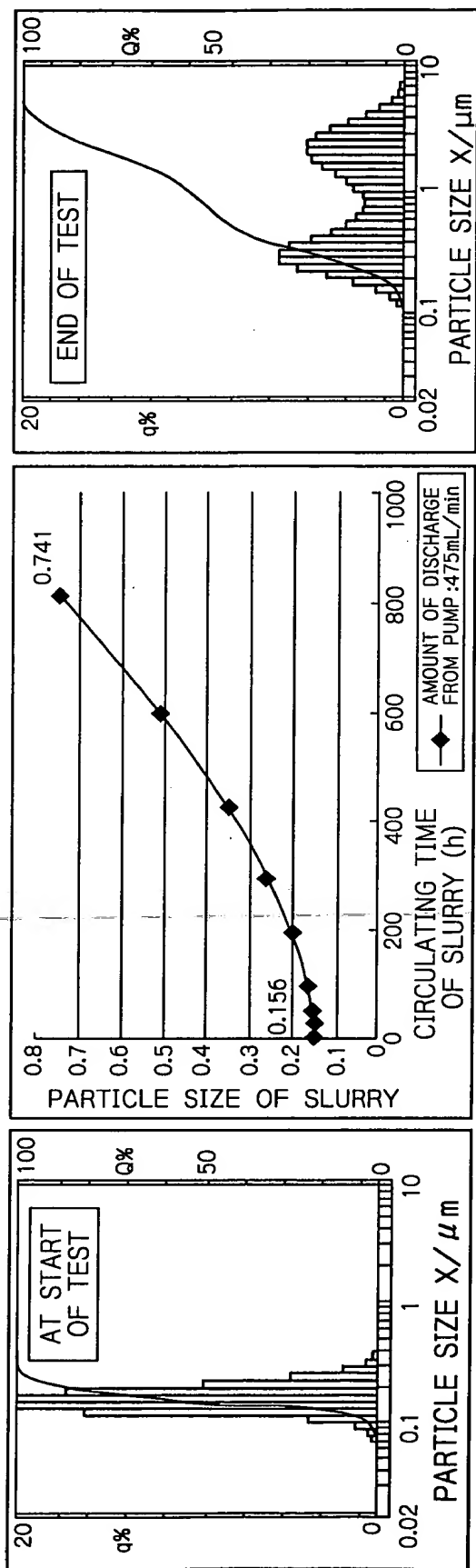


Fig. 3

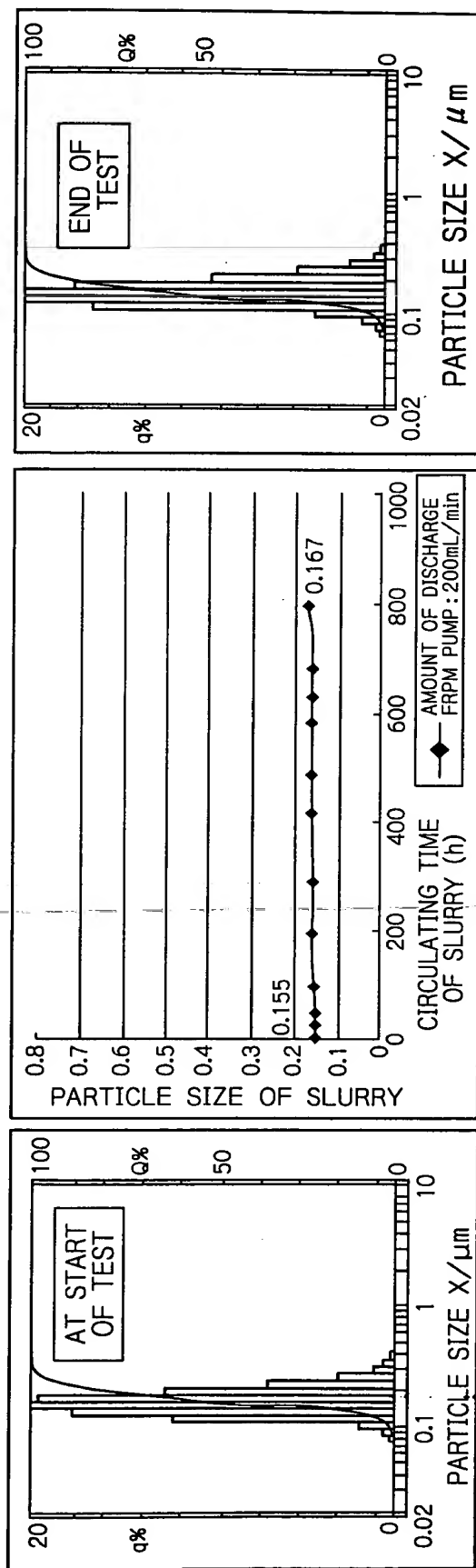


Fig. 4

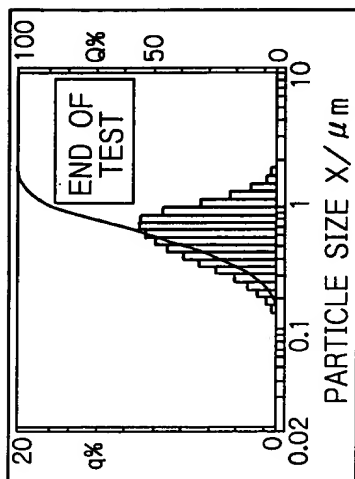
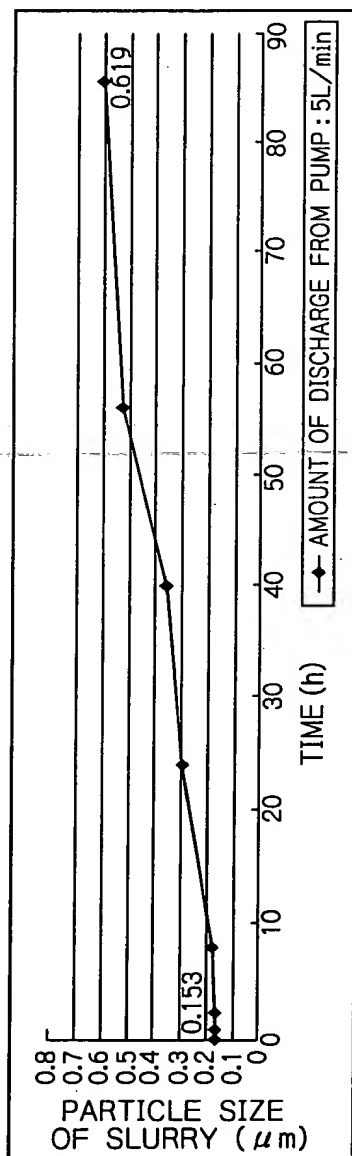


Fig. 5

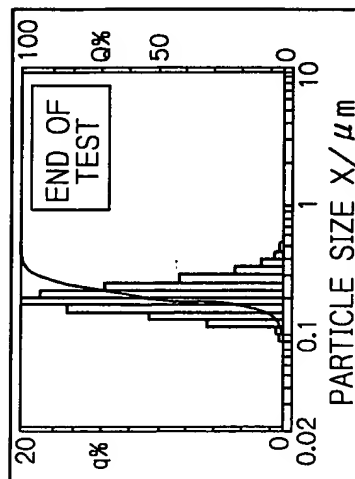
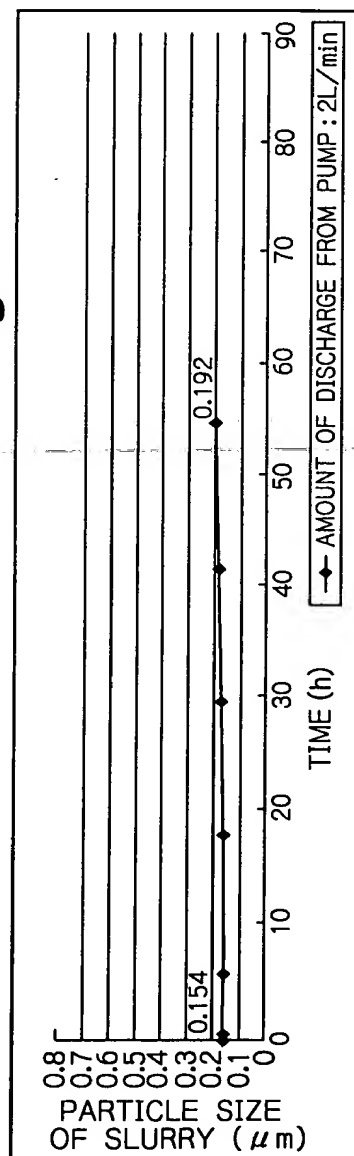


Fig. 6

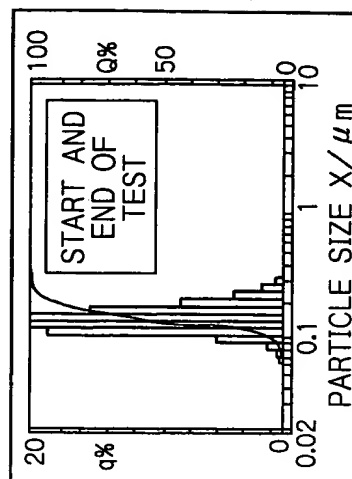
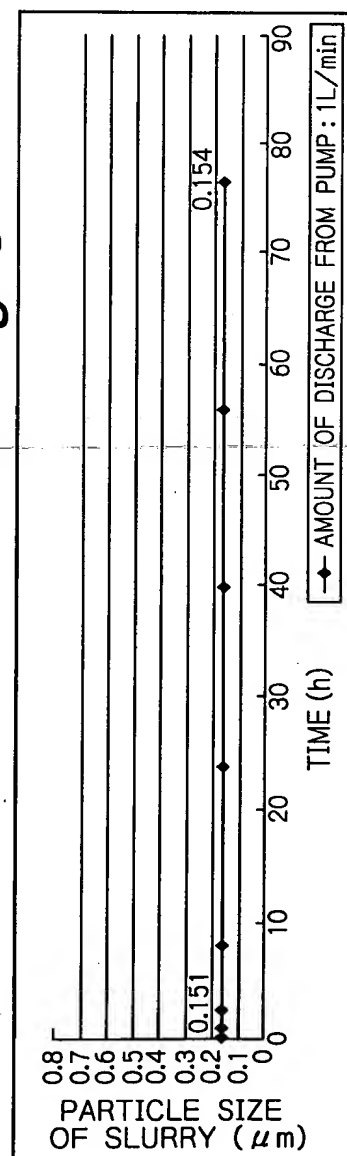


Fig. 7

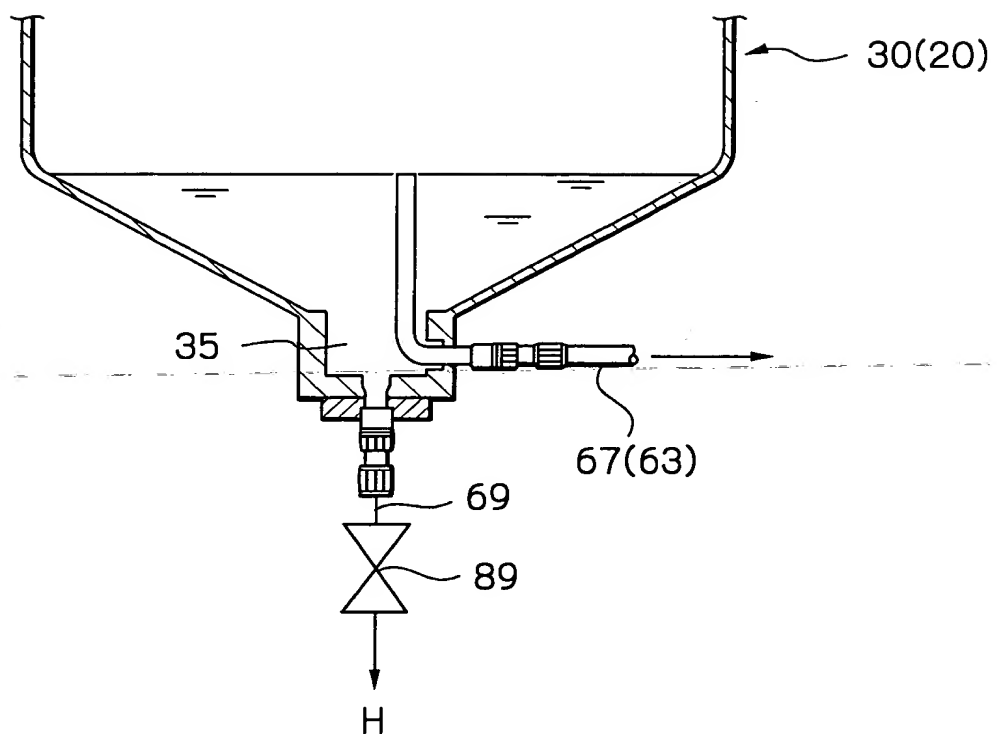


Fig. 8

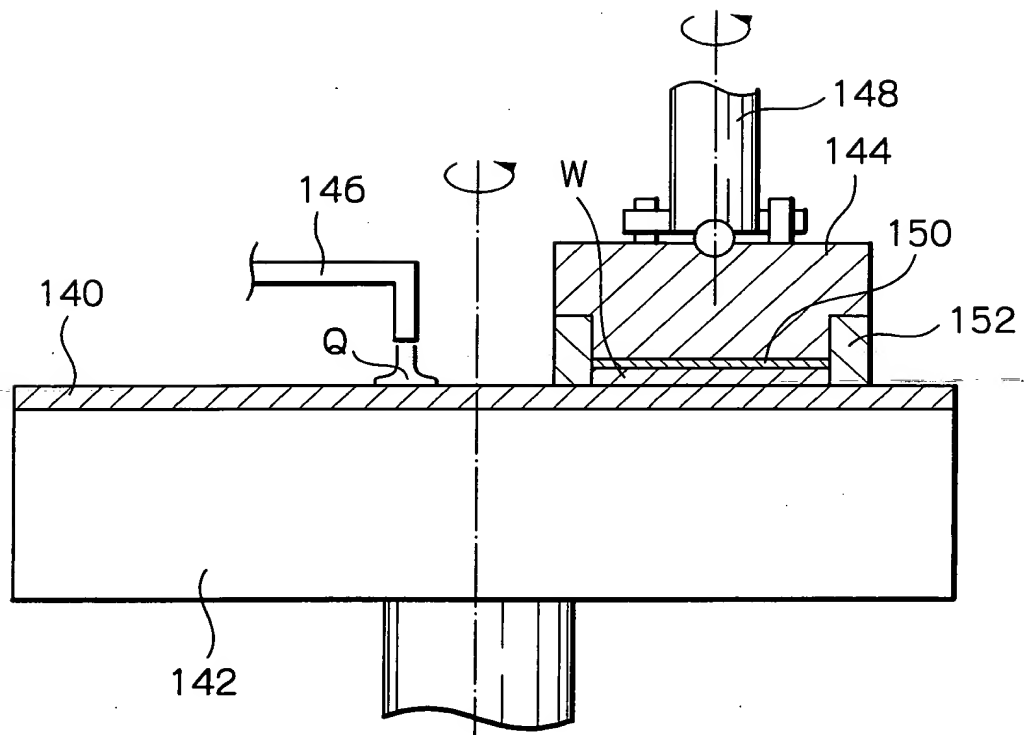


Fig. 10

| CASE NO. | CASE 1 | CASE 2 | CASE 3 |
|--|---------------------------------------|---------------------------------------|---------------------------------------|
| INITIAL CONCENTRATION OF SLURRY | 4.7 wt% | 4.7% wt% | 4.5% wt% |
| CONCENTRATION DIFFERENCE (INITIAL CONCENTRATION +/- DEVIATION) | LESS THAN +/-4% | LESS THAN +/-4% | LESS THAN +/-32% |
| FLOW VELOCITY INSIDE SUPPLY TANK | 0.00531 m/s | 0.00265 m/s | 0.00074 m/s |
| FLOW VELOCITY INSIDE PIPE | 0.842 m/s | 0.421 m/s | 0.118 m/s |
| SECTIONAL AREA OF SUPPLY TANK | 31,400 mm ² | 31,400 mm ² | 31,400 mm ² |
| TANK DIAMETER | 200 mm | 200 mm | 200 mm |
| CIRCULATING FLOW RATE | 10 L/min | 5 L/min | 1.4 L/min |
| PIPE DIAMETER | 15.88 mm | 15.88 mm | 15.88 mm |
| PROPERTY OF SLURRY | SETTLING SLURRY (CERIA, ALUMINA TYPE) | SETTLING SLURRY (CERIA, ALUMINA TYPE) | SETTLING SLURRY (CERIA, ALUMINA TYPE) |